

# Freeform Search

Database:	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins
Term:	L7 and (acquir\$ or obtain\$) near3 information 国际
Display:	Documents in Display Format: - Starting with Number 1
Generate:	○ Hit List ⊙ Hit Count ○ Side by Side ○ Image
	Search Clear Interrupt
	Search History

DATE: Thursday, June 17, 2004 Printable Copy Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
DB=PG	$GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD;\ PLUR = YES$	S; OP=ADJ	
<u>L9</u>	L7 and (acquir\$ or obtain\$) near3 information	23	<u>L9</u>
<u>L8</u>	L7 and (remote\$ near3 maintenance)	4	<u>L8</u>
<u>L7</u>	12 and 13	78	<u>L7</u>
<u>L6</u>	12 and L5	29	<u>L6</u>
<u>L5</u>	L3 and claim\$	7770	<u>L5</u>
<u>L4</u>	L3and claim\$	0	<u>L4</u>
<u>L3</u>	707/\$.ccls.	21003	<u>L3</u>
<u>L2</u>	(((back adj up) or backup or archiv\$) and remote\$).ab.	1576	<u>L2</u>
<u>L1</u>	(((back adj up) or backup) and remote\$).ab.	1250	<u>L1</u>

END OF SEARCH HISTORY



### Search Results -

Terms	Documents
L12 not L9	32

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database Database:

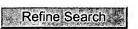
**EPO Abstracts Database** JPO Abstracts Database

**Derwent World Patents Index** 

**IBM Technical Disclosure Bulletins** 

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### **Search History**

DATE: Thursday, June 17, 2004 Printable Copy Create Case

Set Name	· · · ·	Hit Count	Set Name result set
DB=PC	GPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YE	S; OP=ADJ	
<u>L13</u>	L12 not 19	32	<u>L13</u>
<u>L12</u>	L11 and ((acquir\$ or obtain\$) near3 information)	44	<u>L12</u>
<u>L11</u>	13 and L10	175	<u>L11</u>
<u>L10</u>	((back adj up) or backup) near3 remote\$	1220	<u>L10</u>
<u>L9</u>	L7 and (acquir\$ or obtain\$) near3 information	23	<u>L9</u>
<u>L8</u>	L7 and (remote\$ near3 maintenance)	4	<u>L8</u>
<u>L7</u>	12 and 13	78	<u>L7</u>
<u>L6</u>	12 and L5	29	<u>L6</u>
<u>L5</u>	L3 and claim\$	7770	<u>L5</u>
<u>L4</u>	L3and claim\$	0	<u>L4</u>
<u>L3</u>	707/\$.ccls.	21003	<u>L3</u>
<u>L2</u>	(((back adj up) or backup or archiv\$) and remote\$).ab.	1576	<u>L2</u>
<u>L1</u>	(((back adj up) or backup) and remote\$).ab.	1250	<u>L1</u>



# **END** OF SEARCH HISTORY



### Search Results -

Terms	Documents
L12 not L9	32

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database

US OCR Full-Text Database

Database:

EPO Abstracts Database
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Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

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Refine Search







## **Search History**

DATE: Thursday, June 17, 2004 Printable Copy Create Case

Set Name side by side		Hit Count	Set Name result set
DB=PC	GPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR = YE	S; OP=ADJ	
<u>L13</u>	L12 not 19	32	<u>L13</u>
<u>L12</u>	L11 and ((acquir\$ or obtain\$) near3 information)	44	<u>L12</u>
<u>L11</u>	13 and L10	175	<u>L11</u>
<u>L10</u>	((back adj up) or backup) near3 remote\$	1220	<u>L10</u>
<u>L9</u>	L7 and (acquir\$ or obtain\$) near3 information	23	<u>L9</u>
<u>L8</u>	L7 and (remote\$ near3 maintenance)	4	<u>L8</u>
<u>L7</u>	12 and 13	78	<u>L7</u>
<u>L6</u>	12 and L5	29	<u>L6</u>
<u>L5</u>	L3 and claim\$	7770	<u>L5</u>
<u>L4</u>	L3and claim\$	0	<u>L4</u>
<u>L3</u>	707/\$.ccls.	21003	<u>L3</u>
<u>L2</u>	(((back adj up) or backup or archiv\$) and remote\$).ab.	1576	<u>L2</u>
<u>L1</u>	(((back adj up) or backup) and remote\$).ab.	1250	<u>L1</u>



# END OF SEARCH HISTORY

# Hit List

Your wildcard search against 10000 terms has yielded the results below.

### Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear Concrete Collection Print Fwd Refs Ekwd Refs

Cenerate OACS

Search Results - Record(s) 1 through 20 of 23 returned.

☐ 1. Document ID: US 20040093361 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 23

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040093361

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040093361 A1

TITLE: Method and apparatus for storage system to provide distributed data storage

and protection

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Therrien, David G. Nashua US NH Pownell, James E. Natick MA US VanderSpek, Adrian Worcester US MA Kenna, Herman Robert Harvard MA US Sawyer, Cory Lee Hudson MA US Dougherty, Elizabeth Northborough US MA Voegtlin, Dave Norton MA US Greizerstein, Paul B. Hopkington US MA

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw. D

☐ 2. Document ID: US 20030120685 A1

L9: Entry 2 of 23

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030120685

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030120685 A1

TITLE: Method and system for access to automatically synchronized remote files

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE COUNTRY

RULE-47

Duncombe, Chris

Langley

CA

Jaffe, Norman

Vancouver

CA

Swain, Nicholas M.

Dewittville

CA

US-CL-CURRENT: <u>707/200</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawt De
									110			

☐ 3. Document ID: US 20030110188 A1

L9: Entry 3 of 23

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030110188

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030110188 A1

TITLE: Virtual directory file navigation system

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Howard, David E.

Loveland Windsor CO

US US

Gandee, John J. Godwin, Kurt E.

Loveland

CO

US

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De

☐ 4. Document ID: US 20030088590 A1

L9: Entry 4 of 23

File: PGPB

May 8, 2003

PGPUB-DOCUMENT-NUMBER: 20030088590

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030088590 A1

TITLE: Method, system and computer program product for providing backup data for

use in studying claims

PUBLICATION-DATE: May 8, 2003

INVENTOR-INFORMATION:



NAME

CITY

STATE COUNTRY

RULE-47

Ueno, Toshio

Hanno-shi

JP

US-CL-CURRENT: <u>707/204</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 5. Document ID: US 20010051952 A1

L9: Entry 5 of 23

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051952

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010051952 A1

TITLE: Sample analyzing system for facilitating control and maintenance of

registered information

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Nakazato, Toshiaki

Tochigi-ken

JP

US-CL-CURRENT: 707/104.1; 707/10, 707/204, 709/217

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 6. Document ID: US 20010034728 A1

L9: Entry 6 of 23

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010034728

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010034728 A1

TITLE: Method and apparatus for automatically synchronizing data to electronic

devices across a communications network

PUBLICATION-DATE: October 25, 2001

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

McBride, Stephen Larry North Ogden UT US
Polson, Russell Glen Syracuse UT US
Davidson, Troy Clinton UT US

US-CL-CURRENT: 707/1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 7. Document ID: US 6678764 B2

L9: Entry 7 of 23

File: USPT

Jan 13, 2004

US-PAT-NO: 6678764

DOCUMENT-IDENTIFIER: US 6678764 B2

TITLE: Medical image processing system

DATE-ISSUED: January 13, 2004

INVENTOR-INFORMATION:

NAME

CITY STA

STATE ZIP CODE

COUNTRY

Parvulescu; Adrian

Ellis; Robert P.

Warwick

NY

US-CL-CURRENT: 710/65; 382/128, 600/407, 707/10

Full Title Citation Front Review Classification Date Reference Sequences Attachmants Claims KWC Draw. De

□ 8. Document ID: US 6675382 B1

L9: Entry 8 of 23

File: USPT

Jan 6, 2004

US-PAT-NO: 6675382

DOCUMENT-IDENTIFIER: US 6675382 B1

TITLE: Software packaging and distribution system

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE COUNTRY

Foster; Gary D.

Santa Clara

CA

US-CL-CURRENT: 717/177; 707/1, 707/10, 717/169, 717/170, 717/172, 717/175

Full Title Citation Front Review Classification Date Reference Security Allocations Claims KMC Draw, De

☐ 9. Document ID: US 6519612 B1

L9: Entry 9 of 23

File: USPT

Feb 11, 2003

US-PAT-NO: 6519612

DOCUMENT-IDENTIFIER: US 6519612 B1

TITLE: Internet storage manipulation and navigation system

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Howard; David E.

Loveland

CO

Gandee; John J.

Windsor

)

Godwin; Kurt E.

Loveland

CO

US-CL-CURRENT: 707/200; 707/102, 707/3

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw, Dr

☐ 10. Document ID: US 6513052 B1

L9: Entry 10 of 23

File: USPT

Jan 28, 2003

US-PAT-NO: 6513052

DOCUMENT-IDENTIFIER: US 6513052 B1

TITLE: Targeted advertising over global computer networks

DATE-ISSUED: January 28, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

ZIP CODE

COUNTRY

Binder; Erin A.

Afton

MN

US-CL-CURRENT: <u>707/204</u>

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KMC Dram. Do

☐ 11. Document ID: US 6496837 B1

L9: Entry 11 of 23

File: USPT

Dec 17, 2002

COUNTRY

US-PAT-NO: 6496837

DOCUMENT-IDENTIFIER: US 6496837 B1

TITLE: Multiple attribute file directory manipulation and navigation system

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

Howard; David E.

Gandee; John J.

Godwin; Kurt E.

NAME CITY STATE

Loveland CO

Windsor CO

Loveland CO

US-CL-CURRENT: <u>707/200;</u> <u>707/102</u>, <u>707/3</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

☐ 12. Document ID: US 6363462 B1

L9: Entry 12 of 23

File: USPT

Mar 26, 2002

US-PAT-NO: 6363462

DOCUMENT-IDENTIFIER: US 6363462 B1

TITLE: Storage controller providing automatic retention and deletion of synchronous

back-up data

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bergsten; James R. Saratoga CA

US-CL-CURRENT: 711/162; 707/203, 711/114, 711/118, 711/148, 714/11, 714/6

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

☐ 13. Document ID: US 6360306 B1

L9: Entry 13 of 23

File: USPT

Mar 19, 2002

US-PAT-NO: 6360306

DOCUMENT-IDENTIFIER: US 6360306 B1

TITLE: Relocation of suspended data to a remote site in a distributed storage

system

DATE-ISSUED: March 19, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bergsten; James R. Saratoga CA

US-CL-CURRENT: 711/162; 707/204, 711/161, 714/6

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KWIC Draw. Do

☐ 14. Document ID: US 6345368 B1

L9: Entry 14 of 23

File: USPT

Feb 5, 2002

US-PAT-NO: 6345368

DOCUMENT-IDENTIFIER: US 6345368 B1

TITLE: Fault-tolerant access to storage arrays using active and quiescent storage controllers

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bergsten; James R. Saratoga CA

US-CL-CURRENT: 714/11; 707/204, 711/114, 711/162, 714/4

Full Title Citation Front Review Classification Date Reference Claims KWC Draw. De

☐ 15. Document ID: US 6282610 B1

L9: Entry 15 of 23 File: USPT Aug 28, 2001

US-PAT-NO: 6282610

DOCUMENT-IDENTIFIER: US 6282610 B1

TITLE: Storage controller providing store-and-forward mechanism in distributed data

storage system

DATE-ISSUED: August 28, 2001

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bergsten; James R. Saratoga CA

US-CL-CURRENT: 711/114; 707/204, 711/162, 714/11, 714/6

Full Title Citation Front Review Classification Date Reference September Affections Claims KIMC Draw. De

☐ 16. Document ID: US 6185574 B1

L9: Entry 16 of 23 File: USPT Feb 6, 2001

US-PAT-NO: 6185574

DOCUMENT-IDENTIFIER: US 6185574 B1

TITLE: Multiple display file directory and file navigation system for a personal

computer

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Howard; David E. Loveland CO
Gandee; John J. Windsor CO
Godwin; Kurt E. Loveland CO

US-CL-CURRENT: 707/200; 707/102, 707/202

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

☐ 17. Document ID: US 6073209 A

L9: Entry 17 of 23

File: USPT

Jun 6, 2000

US-PAT-NO: 6073209

DOCUMENT-IDENTIFIER: US 6073209 A

TITLE: Data storage controller providing multiple hosts with access to multiple

storage subsystems

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bergsten; James R. Saratoga CA

US-CL-CURRENT: 711/114; 707/204, 711/148, 711/153, 711/162

Full Title Citation Front Review Classification Date Reference Seculorises. Attachments Claims KVMC Draw. De

☐ 18. Document ID: US 5978815 A

L9: Entry 18 of 23

File: USPT

Nov 2, 1999

US-PAT-NO: 5978815

DOCUMENT-IDENTIFIER: US 5978815 A

\*\* See image for Certificate of Correction \*\*

TITLE: File system primitive providing native file system support for remote

storage

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Cabrera; Luis Felipe Bellevue WA
Kimura; Gary D. Kirkland WA
Miller; Thomas J. Bellevue WA
Andrew; Brian D. Redmond WA

US-CL-CURRENT: 707/204; 707/10, 707/200

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 19. Document ID: US 5835915 A

L9: Entry 19 of 23 File: USPT Nov 10, 1998

US-PAT-NO: 5835915

DOCUMENT-IDENTIFIER: US 5835915 A

TITLE: Remote duplicate database facility with improved throughput and fault

tolerance

DATE-ISSUED: November 10, 1998

INVENTOR - INFORMATION:

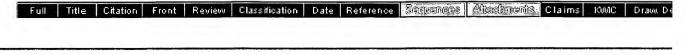
NAME CITY STATE ZIP CODE COUNTRY

Carr; Richard W. Palo Alto CA

Garrard; Brian Kent GB2

Mosher, Jr.; Malcolm Los Gatos CA

US-CL-CURRENT: 707/202; 707/201, 707/204, 714/15, 714/16, 714/19, 714/20, 714/6



☐ 20. Document ID: US 5794252 A

L9: Entry 20 of 23 File: USPT Aug 11, 1998

US-PAT-NO: 5794252

DOCUMENT-IDENTIFIER: US 5794252 A

TITLE: Remote duplicate database facility featuring safe master audit trail

(safeMAT) checkpointing

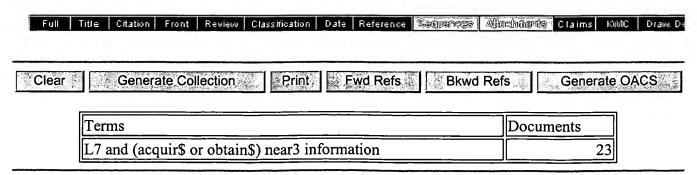
DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bailey; Bruce W. Cupertino CA Mosher, Jr.; Malcolm Los Gatos CA

US-CL-CURRENT: 707/202; 714/11, 714/16, 714/7



Display Format: - Change Format

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Search Results - Record(s) 1 through 20 of 32 returned.

☐ 1. Document ID: US 20040098422 A1

Using default format because multiple data bases are involved.

L13: Entry 1 of 32

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040098422

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040098422 A1

TITLE: Element management system with adaptive interfacing selected by last

previous fully-qualified managed level

PUBLICATION-DATE: May 20, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Levesque, Gilbert Mountain View CA US Wong, Malais Sunnyvale CA US Steckler, Richard P. San Mateo CA US

US-CL-CURRENT: 707/203

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D
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☐ 2. Document ID: US 20040078376 A1

L13: Entry 2 of 32 File: PGPB Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040078376

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040078376 A1

TITLE: Method for displaying the amount of storage use

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Kusama, TakatoYokohamaJPTakeda, KeiKawasakiJPAoshima, TatsundoSagamiharaJP

US-CL-CURRENT: 707/100

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. Do

☐ 3. Document ID: US 20040073677 A1

L13: Entry 3 of 32

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073677

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073677 A1

TITLE: Computer system using a storage area network and method of handling data in

the computer system

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

CITY	STATE	COUNTRY	RULE-47
Odawara		JP	
Yokohama		JP	
Nakagun		JP	
Yokohama		JP	
Sagamihara		JP	
Hiratsuka		JP	
	Odawara Yokohama Nakagun Yokohama Sagamihara	Odawara Yokohama Nakagun Yokohama Sagamihara	Odawara JP Yokohama JP Nakagun JP Yokohama JP Sagamihara JP

US-CL-CURRENT: <u>709/226</u>; <u>707/204</u>, <u>714/5</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D
	4. I	Docume	nt ID:	US 20	040073676	A1						
L13:	Entry	y 4 of	32				File: P	GPB		Apr	15,	2004

PGPUB-DOCUMENT-NUMBER: 20040073676

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073676 A1

TITLE: Computer system using a storage area network and method of handling data in the computer system

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Honma, Shigeo	Odawara		JP	
Morishima, Hiroshi	Yokohama		JP	
Tsukiyama, Tokuhiro	Nakagun		JP	
Matsushima, Hiroyuki	Yokohama		JP	
Oeda, Takashi	Sagamihara		JP	

Tomono, Yoji

Hiratsuka

JE

US-CL-CURRENT: 709/226; 707/204, 714/5

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

☐ 5. Document ID: US 20040073675 A1

L13: Entry 5 of 32

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040073675

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040073675 A1

TITLE: Computer system using a storage area network and method of handling data in

the computer system

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Honma, Shigeo Odawara JP Morishima, Hiroshi Yokohama JP Tsukiyama, Tokuhiro Nakagun JΡ Matsushima, Hiroyuki Yokohama JP Oeda, Takashi Sagamihara JΡ Tomono, Yoji Hiratsuka JP

US-CL-CURRENT: 709/226; 707/204, 714/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D
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☐ 6. Document ID: US 20030135524 A1

L13: Entry 6 of 32 File: PGPB Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030135524

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030135524 A1

TITLE: Data backup

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME RULE-47 CITY STATE COUNTRY Cane, David A. Cambridge MA US Palagashvili, Gurami Natick MA US Boucher, Michael R. Somerville MA US Carson, Dwayne A. Mendon MA US

US-CL-CURRENT: 707/204

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. Dr

7. Document ID: US 20030115225 A1

L13: Entry 7 of 32

File: PGPB

Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030115225

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030115225 A1

TITLE: Data saving method and external storage device

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Suzuki, Hiroyoshi Numazu-shi JP Toochi, Mamoru Ube-shi JΡ

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, De

□ 8. Document ID: US 20030115191 A1

L13: Entry 8 of 32 File: PGPB Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030115191

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030115191 A1

TITLE: Efficient and cost-effective content provider for customer relationship

management (CRM) or other applications

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Copperman, Max	Santa Cruz	CA	US	
Cypher, Allen	Capitola	CA	US	
Fratkina, Raya	Peekskill	NY	US	
Fritzke, Wendy	Seattle	WA	US	
Huffman, Scott B.	Redwood City	CA	US	
Lynch, Denis	San Jose	CA	US	
Mahendra, Samir	Sunnyvale	CA	US	
Venkatsubramanyan, Shailaja	San Jose	CA	US	
Waterman, Scott A.	Campbell	CA	US	
Angel, Mark A.	Napa	CA	us	

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US-CL-CURRENT: 707/3

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 9. Document ID: US 20030009438 A1

L13: Entry 9 of 32 File: PGPB Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009438

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030009438 A1

TITLE: Method for file level remote copy of a storage device

PUBLICATION-DATE: January 9, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47 JΡ Achiwa, Kyosuke Tokyo JP Mogi, Kazuhiko Tokyo Kitamura, Manabu JΡ Tokyo Kano, Yoshiki Tokyo JP Nakamura, Katsunori Tokyo JP

US-CL-CURRENT: 707/1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

☐ 10. Document ID: US 20020129000 A1

L13: Entry 10 of 32 File: PGPB Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020129000

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020129000 A1

TITLE: XML file system

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Pillai, Vikram Billerica MA US
Kinsella, Joseph Reading MA US
Bruell, Gregory O. Carlisle MA US

US-CL-CURRENT: 707/1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw, De

☐ 11. Document ID: US 20020091710 A1

L13: Entry 11 of 32

File: PGPB

Jul 11, 2002

Apr 27, 2004

PGPUB-DOCUMENT-NUMBER: 20020091710

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020091710 A1

TITLE: METHOD FOR BACKUP AND RESTORE OF A MULTI-LINGUAL NETWORK FILE SERVER

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
DUNHAM, SCOTT	BILLERICA	MA	US	
FISKE, RULIAN	WAYLAND	MA	US	
HANSEN, HAL	TEWKSBURY	MA	US	
JAIN, SANJAY	SHREWSBURY	MA	US	
MUTALIK, MADHAY	SOUTHBORO	MA	US	
ST. PIERRE, EDGAR	FALL RIVER	MA	US	
LAL, PUNEET	SHREWSBURY	MA	US	
VAHALIA, URESH	WABAN	MA	US	

US-CL-CURRENT: 707/200

L13: Entry 12 of 32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw, Di
	12	Docum	ent ID	· 115 6	728849 B2							

File: USPT

US-PAT-NO: 6728849

DOCUMENT-IDENTIFIER: US 6728849 B2

TITLE: Remote storage system and method

DATE-ISSUED: April 27, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Kodama; Shoji San Jose CA

US-CL-CURRENT: 711/162; 707/204, 711/114, 711/156, 711/158, 714/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Wilstahmanie	Claims	KMC	Draw. De
								· · · · · · · · · · · · · · · · · · ·				

☐ 13. Document ID: US 6714952 B2

L13: Entry 13 of 32 File: USPT Mar 30, 2004

US-PAT-NO: 6714952

DOCUMENT-IDENTIFIER: US 6714952 B2

TITLE: Method for backup and restore of a multi-lingual network file server

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME Dunham; Scott Billerica MA Fiske; Rulian Wayland MA Hansen; Hal Tewksbury MA Jain; Sanjay Shrewsbury MA Mutalik; Madhav Southboro MA St. Pierre; Edgar Fall River MA Lal; Puneet Shrewsbury MA Vahalia; Uresh Waban MA

US-CL-CURRENT: <u>707/204</u>; <u>707/10</u>, <u>711/161</u>, <u>711/162</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequer ces	Attachments	Claims	KWIC	Draw. D
	14.	Docum	nent ID	): US 6	701345 B1							

File: USPT

US-PAT-NO: 6701345

L13: Entry 14 of 32

DOCUMENT-IDENTIFIER: US 6701345 B1

TITLE: Providing a notification when a plurality of users are altering similar data

in a health care solution environment

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Carley; Kevin W. Atlanta GA Harrington; Lisa Marie Denver CO Dikeman; Jennifer Scot Atlanta GA Moody; Megan Davies CO Denver Gregory; Mary Michelle Atlanta GA

US-CL-CURRENT: 709/205; 707/8, 709/232

 - 1	Citation	FIORE	Review	Classification	Date	Reference	Sequences	Altachments:	Claims	KWIC	Draw D

L13: Entry 15 of 32

File: USPT Oct 28, 2003

Mar 2, 2004

US-PAT-NO: 6640244

DOCUMENT-IDENTIFIER: US 6640244 B1

TITLE: Request batcher in a transaction services patterns environment

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Bowman-Amuah; Michel K.

Colorado Springs

CO

US-CL-CURRENT: 709/207; 707/10, 718/101

Full Title Citation Front Review Classification Date Reference Sequences Aftechments Claims KMC Draw. De

☐ 16. Document ID: US 6615253 B1

L13: Entry 16 of 32

File: USPT

Sep 2, 2003

US-PAT-NO: 6615253

DOCUMENT-IDENTIFIER: US 6615253 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Efficient server side data retrieval for execution of client side

applications

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Bowman-Amuah; Michel K.

Colorado Springs

US-CL-CURRENT: 709/219; 707/100, 711/118

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 17. Document ID: US 6571282 B1

L13: Entry 17 of 32

File: USPT

May 27, 2003

US-PAT-NO: 6571282

DOCUMENT-IDENTIFIER: US 6571282 B1

TITLE: Block-based communication in a communication services patterns environment

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE

COUNTRY

Bowman-Amuah; Michel K.

Colorado Springs

CO

US-CL-CURRENT: 709/219; 707/10, 709/203, 719/329

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

☐ 18. Document ID: US 6550057 B1

L13: Entry 18 of 32

File: USPT

Apr 15, 2003

US-PAT-NO: 6550057

DOCUMENT-IDENTIFIER: US 6550057 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Piecemeal retrieval in an information services patterns environment

DATE-ISSUED: April 15, 2003

INVENTOR - INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Bowman-Amuah; Michel K.

Colorado Springs .

CO

US-CL-CURRENT: <u>717/126</u>; <u>700/80</u>, <u>707/5</u>, <u>717/101</u>, <u>717/102</u>, <u>717/108</u>, <u>717/109</u>, <u>717/113</u>

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KWIC Draw. De

☐ 19. Document ID: US 6539461 B2

L13: Entry 19 of 32

File: USPT

Mar 25, 2003

US-PAT-NO: 6539461

DOCUMENT-IDENTIFIER: US 6539461 B2

TITLE: Data saving method and external storage device

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Suzuki; Hiroyoshi

Numazu

JP

Toochi; Mamoru

Ube

JP

US-CL-CURRENT: 711/162; 707/204

Full Title Citation Front Review Classification Date Reference Seguences Attachments Claims KMC Draw. De

☐ 20. Document ID: US 6539396 B1

L13: Entry 20 of 32

File: USPT

Mar 25, 2003

US-PAT-NO: 6539396

DOCUMENT-IDENTIFIER: US 6539396 B1

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### \*\* See image for Certificate of Correction \*\*

TITLE: Multi-object identifier system and method for information service pattern environment

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: 707/103R; 707/101, 707/102, 707/103X, 707/202, 707/203, 711/118

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawi D
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Search Results - Record(s) 21 through 32 of 32 returned.

☐ 21. Document ID: US 6529909 B1

Using default format because multiple data bases are involved.

L13: Entry 21 of 32

File: USPT

Mar 4, 2003

US-PAT-NO: 6529909

DOCUMENT-IDENTIFIER: US 6529909 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Method for translating an object attribute converter in an information

services patterns environment

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: 707/10; 707/1

Full Title Citation Front Review Classification Date Reference Sequences Attachinents Claims KWC Draw. De

☐ 22. Document ID: US 6496850 B1

L13: Entry 22 of 32

File: USPT

Dec 17, 2002

US-PAT-NO: 6496850

DOCUMENT-IDENTIFIER: US 6496850 B1

TITLE: Clean-up of orphaned server contexts

DATE-ISSUED: December 17, 2002

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: <u>709/203</u>; <u>707/102</u>, <u>709/224</u>, <u>709/228</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De



L13: Entry 23 of 32

File: USPT

Oct 15, 2002

US-PAT-NO: 6466950

DOCUMENT-IDENTIFIER: US 6466950 B1

TITLE: UPDATE LOG MANAGEMENT DEVICE AND AN UPDATE LOG MANAGEMENT METHOD DECREASING THE DATA AMOUNT OF TRANSMITTING AND THE UPDATE LOG AMOUNT OF HOLDING BASED ON THE RESULT OF COMPARING THE AMOUNT OF THE UPDATE LOG WITH THE AMOUNT OF THE UPDATED DATA PLUS THE LOG APPLIED INFORMATION

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

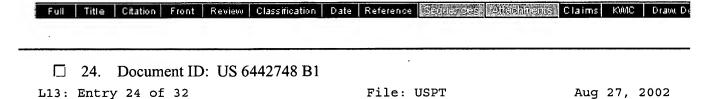
COUNTRY

Ono; Ryoji

Tokyo

JP

US-CL-CURRENT: 707/201; 707/10, 707/202, 707/203, 707/204



US-PAT-NO: 6442748

DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

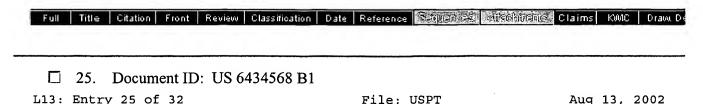
DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: 717/108; 707/103R, 707/104.1, 707/9, 719/316



US-PAT-NO: 6434568

DOCUMENT-IDENTIFIER: US 6434568 B1

TITLE: Information services patterns in a netcentric environment

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: 707/103R; 707/10, 709/203

Full Title Citation Front Review Classification Date Reference Sequences Attentionies Claims KMC Draw. De

☐ 26. Document ID: US 6286028 B1

L13: Entry 26 of 32

File: USPT

Sep 4, 2001

US-PAT-NO: 6286028

DOCUMENT-IDENTIFIER: US 6286028 B1

TITLE: Method and apparatus for conducting electronic commerce

DATE-ISSUED: September 4, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Cohen; Mitchell Adam Yorktown Heights NY
Harris; Tracy Mark Rochester MN
Sturzenbecker; Martin Clarence Carmel NY

Walters; James Allen Byron MN

US-CL-CURRENT: 709/202; 705/26, 707/101

Full Title Citation Front Review Classification Date Reference Sausins Traditions Claims KWIC Draw. De

☐ 27. Document ID: US 6256773 B1

L13: Entry 27 of 32

File: USPT

Jul 3, 2001

US-PAT-NO: 6256773

DOCUMENT-IDENTIFIER: US 6256773 B1

TITLE: System, method and article of manufacture for configuration management in a development architecture framework

DATE-ISSUED: July 3, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bowman-Amuah; Michel K. Colorado Springs CO

US-CL-CURRENT: 717/121; 707/203, 717/168

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

☐ 28. Document ID: US 6212521 B1

L13: Entry 28 of 32

File: USPT

Apr 3, 2001

US-PAT-NO: 6212521

DOCUMENT-IDENTIFIER: US 6212521 B1

TITLE: Data management system, primary server, and secondary server for data

registration and retrieval in distributed environment

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Minami; Shinji Fukuoka JP Wakamoto; Masaaki Kawasaki JP Kakemizu; Mitsuaki Kawasaki JP

US-CL-CURRENT: 707/10; 707/1, 707/204, 707/3, 709/208, 709/216, 709/239

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, D

☐ 29. Document ID: US 5884328 A

L13: Entry 29 of 32

File: USPT

Mar 16, 1999

US-PAT-NO: 5884328

DOCUMENT-IDENTIFIER: US 5884328 A

TITLE: System and method for sychronizing a large database and its replica

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Mosher, Jr.; Malcolm Los Gatos CA

US-CL-CURRENT: <u>707/202</u>

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KWC Draw De

☐ 30. Document ID: US 5799323 A

L13: Entry 30 of 32 File: USPT Aug 25, 1998

US-PAT-NO: 5799323

DOCUMENT-IDENTIFIER: US 5799323 A

TITLE: Remote duplicate databased facility with triple contingency protection

DATE-ISSUED: August 25, 1998

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Mosher, Jr.; Malcolm

Los Gatos

CA

Bowring; Gordon J.

San Jose

CA

US-CL-CURRENT: 707/202; 707/10, 707/201, 714/16

Full Title Citation Front Review Classification Date Reference Reference Citation Claims KMC Draw. De

☐ 31. Document ID: US 5799322 A

L13: Entry 31 of 32

File: USPT

Aug 25, 1998

US-PAT-NO: 5799322

DOCUMENT-IDENTIFIER: US 5799322 A

TITLE: System and method for stopping updates at a specified timestamp in a remote duplicate database facility

DATE-ISSUED: August 25, 1998

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Mosher, Jr.; Malcolm

Los Gatos

CA

US-CL-CURRENT: 707/202; 707/201, 707/204, 714/16

Full Title Citation Front Review Classification Date Reference Schiefts & AKS Division Claims KNNC Draw. De

☐ 32. Document ID: US 5649196 A

L13: Entry 32 of 32

File: USPT

Jul 15, 1997

US-PAT-NO: 5649196

DOCUMENT-IDENTIFIER: US 5649196 A

TITLE: System and method for distributed storage management on networked computer systems using binary object identifiers

DATE-ISSUED: July 15, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Woodhill; James R. Houston TX
Woodhill; Louis R. Richmond TX
More, Jr.; William Russell Houston TX

Berlin; Jay Harris

Houston

TX

US-CL-CURRENT:  $\frac{707}{204}$ ;  $\frac{707}{202}$ ,  $\frac{707}{9}$ ,  $\frac{711}{173}$ ,  $\frac{714}{1}$ ,  $\frac{714}{41}$ ,  $\frac{714}{48}$ ,  $\frac{714}{6}$ 

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